

JOURNAL
of the
**American Veterinary
Medical Association**

VOLUME CXIX

NOS. 892-897

JULY-DECEMBER, 1951

Published by

**AMERICAN VETERINARY MEDICAL
ASSOCIATION**

600 S. MICHIGAN AVE., CHICAGO, ILL.

Contents Copyright 1951 by American Veterinary Medical Association

Index of Names

Authors

Albrecht, Duane T., 429.
 Allen, Gayle D., 274.
 Altman, Irving E., 207.
 Anderson, G. W., 293.
 Antelyes, J., 293.
 Beemer, Paul D., 436.
 Bentinck-Smith, J., 380.
 Blakely, C. Lawrence, 429.
 Blamey, Edwin R., 291.
 Bonney, W. A., Jr., 384.
 Brown, Ross, 132.
 Bullard, J. F., 129.
 Caporaso, G., 438.
 Coffey, W. M., 181.
 Conner, Gabel H., 46.
 Craigie, John E., 388.
 de Courcy, S. J., Jr., 203.
 Delahanty, D. D., 49, 355, 383.
 Doherty, L. P., 363.
 DuRant, A. L., 293.
 Easley, Glyndon T., 278.
 Enzie, F. D., 210.
 Ewing, D. L., 203.
 Frick, E. J., 138, 388.
 Getty, Robert, 357.
 Godfrey, E. G., 293.
 Goldsmith, Bernard, 62.
 Grogan, Joseph W., 112.
 Grossman, James D., 447.
 Groves, Lawrence W., 50.
 Grumblies, L. C., 384.
 Hardy, W. T., 445.
 Hartsook, G. R., 72.
 Hayes, A. F., 415.
 Hoerlein, Alvin B., 357.
 Hubbard, Earl D., 357.
 Ingalls, W. L., 71.
 Jonas, Sale, 288.
 Kakavas, J. C., 203.
 Kester, Wayne O., 41.
 Kral, Frantisek, 297, 371.
 Lagerlöf, Nils, 118.
 Lutz, Harry Hammes, 302.
 McClurkin, Arlen W., 66.
 McVicker, David L., 195.
 Mahoney, Ann, 71.
 Mantovani, A., 436.
 Mason, Karl E., 72.
 Menges, Robert W., 68, 411.
 Millar, J. A. S., 442.
 Miller, J. G., 388.
 Morse, Erskine V., 304.
 Olarte, J., 385.
 Olds, Durward, 35.
 Osebold, John W., 440.
 Payton, Jerome, 434.
 Perez-Rebelo, R., 385.
 Peterson, J. C., 195.
 Pickett, Deets, 346.
 Prchal, Charles J., 270.
 Pollock, S., 443.
 Price, D. A., 443.
 Rhoads, E. A., 446.
 Ribelin, Wm. E., 284.
 Rickard, Charles G., 380.
 Roberts, H. D. S., 203.
 Roberts, S. J., 203.
 Robinson, Virgil B., 185.
 Rust, John H., 44, 103.
 Scheidt, S. F., 297.
 Schlesstein, J., 130.
 Schlotthauer, Carl F., 442.

Seward, C. O., 125.
 Smith, A. L., 214.
 Stocking, Gordon G., 190.
 Thompson, Russell H., 295.
 Todd, A. C., 363.
 Tompkins, V., 130.
 Travis, B. V., 214.
 Troy, Matthew A., 192.
 Varela, G., 385.
 Venize, W. G., 447.
 Vesper, R. W., 71.
 Wagener, Kurt, 133.
 Wayt, L. K., 353.
 Wheat, J. D., 446.
 Whitlock, J. H., 267.
 Williamson, Richard L., 382.
 Wilson, John E., 201.
 Woods, George T., 436.
 Wright, G. M., 419.

Personals

Aitken, William A., 178.
 Armstrong, George E., 180.
 Bain, Lawrence R., 471.
 Bender, C. B., 252.
 Blesler, H. E., 98.
 Birch, R. H., 62.
 Blaupunkt, Nicholas, 254.
 Blom, Erik, 475.
 Bryan, C. S., 391.
 Clark, Chester F., 325.
 Cluts, J. D., 177.
 Coffin, David L., 473.
 Collett, Burr, 339.
 Crispell, Tom P., 97.
 Delling, Sir Thomas, 474.
 Earl, E. R. C., 254.
 English, Bert W., 477.
 Fielder, Frank G., 254.
 Fladness, S. O., 94.
 Gibson, Mrs. B. H., 403.
 Good, Archie L., 473.
 Green, T. C., 409.
 Greenwood, Albert R., 325.
 Hardenbergh, J. G., 101.
 Harvey, E. Erskine, 251.
 Hines, Martin, 408.
 Leary, Robert M., 473.
 Lowe, C. D., 94, 243.
 McNeil, Mrs. John H., 409.
 Mack, C. A., 97.
 Meredith, John Scott, 474.
 Merillat, Mrs. L. A. (Mary Smith), 230.
 Meyer, Karl F., 470.
 Michael, W. R., 177.
 Miller, Robert R., 478.
 Mills, Adrian M., 58.
 Mohler, W. M., 94.
 Nelson, C. A., 97.
 Newsom, I. E., 81.
 Noyes, L. R., 94.
 Pegg, Charles E., 325.
 Petruk, Margaret, 458.
 Phillip, D. R., 97.
 Reed, E. L., Jr., 406.
 Riemann, Hans P., 100.
 Rogers, Mrs. C. M., 432.
 Saylor, S. L., 253.
 Sell, Doris, 457.
 Shope, Richard E., 457.

Skala, Mrs. Matt J., 96.
 Snider, Charles H., 101.
 Snodgrass, William B., 101.
 Strous, Mrs. R. H., 407.

Tierkel, Ernest S., 470.

Vawter, L. R., 474.

Wadsworth, James R., 235.
 Winter, Asa, 101.
 Worton, Harold, 254.

Young, James R., 97.
 Young, W. A., 96.

Deaths

Abarr, A. J., 257.
 Adamson, Arnott A., 257.
 Aiken, Young J., 478.
 Akin, Junius W., 257.
 Ashcroft, Richard G., 326.

Bakelaar, John H., 101.
 Barnhart, Emmett P., 101.
 Berg, John A., 101.
 Bett, Alfred W., 257.
 Brown, Paul C., 180.
 Bryan, C. S., 232, 257.
 Buzzard, David K., 101.

Carlton, Max H., 101.
 Clark, Winfield, 101.
 Crawford, C. B., 326.
 Creely, T. R., 257.

Doyle, L. S., 101.

Eakins, Horace S., 257.
 Emmer, Frank J., 257.

Faville, George C., 178.
 Fernand, William S., 258.
 Findlay, Alexander, 102.
 Ford, William S., 102.
 Foster, Samuel B., 410.
 Frank, J. E., 102.

Guin, J. H., 258.
 Gibson, Bernard H., 409, 410.
 Goode, Henry V., 258.
 Griessman, Louis, 2, 8.

Hagyard, E. W., 410.
 Haring, C. M., 221, 258.
 Higginson, C. M., 102.
 Hollenbeck, John B., 180.
 Howell, Martin E., 476.
 Hughes, Albert B., 102.

Jolly, James G., 102.
 Jones, John A., 101.
 Jones, William F., 102.
 Joyce, Charles O., 102.
 Judkins, Elmer H., 102.

Kent, John, 102.
 Kosler, George C., 102.
 Kingston, James M., 410.
 Koch, Julius, 259.
 Koon, C. H., 326.

LeDune, John D., 102.
 Littlefield, Eckford S. C., 102.
 Loshrke, Fred W., 410.
 Lyman, Richard P., 102.

MacLeod, George N., 102.
 McCrory, Fred W., 258.
 McGuire, William B., 102.
 McGuire, William C., 102.
 McLean, Adam T., 478.
 Malone, Michael P., 102.
 Martin, Adrian M., 410.
 Meyer, H. H., 258.
 Mollenbruch, G. W., 258.
 Moffatt, Nelson, 102.

Moss, Harry T., 479.
 Muaro, Joseph B., 258.
 Murphy, James H., 258.
 Myers, J. C., 102.
 Nicholas, George L., 254.
 Nesbitt, William V., 478.
 Niesselt, E. E., 335.
 O'Hara, Walter P., 326.
 Patterson, E. E., 326.
 Perrin, Floyd, 258.
 Peterson, William L., 102.
 Phalen, William H., 102.
 Phillips, Robert A., 102.
 Powell, George R., 102.
 Pritchett, Horace D., 258.

Prophitt, James H., 258.
 Richmond, Bay W., 102.
 Schmidt, Walter J., 410.
 Schmoyer, A. H., 258.
 Schroeder, August J., 258.
 Scriber, R. G., 258.
 Secoy, Charles W., 102.
 Simonson, Peter, 258.
 Smith, Wilson A., 410.
 Starkey, J. R., 258.
 Steinbuch, Frederick Gustav, 478.

Tade, Frank M., 258.
 Tally, Banks C., 258.
 Taylor, Carl, 102.

Taylor, Raymond C. A., 102.
 Tedrow, Myron W., 328.
 Thomas, Raymond F., 100.
 Thompson, John Boyd, 258.
 Tipton, William B., 328.
 Trawyer, H. E., 102.
 Ulm, Francis J., 478.
 Underwood, C. S., 258.

Wall, Robert D., 102.
 Welsh, Donald E., 102.
 Wharton, Arthur E., 478.
 Wilson, Edward A., 478.
 Wirtz, I. G., 100.

Yoder, Joseph H., 258.

Index of Subjects

A

Abnormalities, Differentiation of, 310.
 Acetonemia, Etiology of Puerperal, 316.
 Acetonemia Therapy, 316.
 Actinomycosis in Northeast Scotland, 277.
 Agglutinin Formation in Brucellar Infection of the Genitalia of the Bull, 123.
 Agglutins in Genital Organs of Brucella-Infected Cows, 224.
 Air Force, Future of Veterinary Service in the United States, 41.
 Air Sterilization, 187.
 Alberta, Algal Poisoning in, 387.
 Alberta, Bovine Brucellosis Control in, 224.
 Alberta, Newcastle Disease Survey in, 382.
 Algal Poisoning in Alberta, 387.
 Allergy and Immunity, Relations Between, 316.
 Amebicidal Antibiotic, Fumagillin—New, 209.
 Amendments to Constitution and Administrative By-Laws, Proposed, El. 152.
 American Association for the Advancement of Science, 320.
 Among the States and Provinces, 95, 177, 249, 324, 406, 470.
 Anaerobic Bacterial Infections in Domestic Animals in Indonesia, 451.
 Anal Sac of the Dog Prior to Extirpation. An Improved Method of Fixing the, 446.
 Anastomoses of the Pancreatic Duct, Experimental, 379.
 Anatomy of the Reproductive Tract of the Cow, Functional (Slim), 400.
 Anesthesia in the Bovine Animal, Intravenous Ether for General, 420.
 Anesthesia, Large Animal, 50.
 Anesthetic Phenol in Topical, 48.
 Anesthetic Mortality: A Five-Year Survey of the Records of the Angel Memorial Animal Hospital, 425.
 Angel Memorial Animal Hospital, Anesthetic Mortality: A Five-Year Survey of the Records of the, 425.
 Anthrax (K.) 409.
 Antibacterial Action, Surface Tension and, 481.
 Antibiotic Drugs in Artificial Insemination, 60.
 Antibiotics, A Danger of the Newer, 216.
 Antibiotics and Vitamin B₁ for Hogs, 452.
 Antibiotics, Fertility of Diluted Bull Semen Increased with, 233.
 Antibiotics on Moulting Bacteria, In Vitro Effect of, 316.
 Aphrophoresis in Cows, 141.
 Apicectomy on Dogs, 459.
 Applications, 96, 158, 224, 322, 405, 489.
 Arterial and Venous Pressure in Cattle, Measurement of, 146.
 Arterial Grafts in Small Arteries, 433.
 Arthritis, Cortisone in Rheumatoid, 273.
 Arthritis, Cortisone Therapy in Rheumatoid, 456.
 Artificial Insemination, Antibiotic Drugs in, 60.
 Artificial Insemination, Factors Affecting Reproduction, and Semen Studies in Sheep of the Highland Pastures of Southern Peru, A Report of, 278.
 Artificial Insemination of Dairy Cattle, The, 53.
 Artificial Insemination, Second International Congress of Reproduction and, 62.
 Ascarisias in Horses in Central Kentucky, Treatment of, 382.
 Asparagine Brands, Trace Element Supplements for, 392.
 Atlantic City, Motor Hotel Reservations Now for, 463.
 Atlantic City . . . Where AVMA-East Meets AVMA-West, 461.

Atlas of Morphologic Hematology, Color, 399.
 Attendance Figures, Official (Milwaukee Meeting), 236.
 Aureomycin and Brucella suis, 396.
 Aureomycin Therapy in Veterinary Medicine, 145.
 Aureomycin, Treatment of Canine Coccidioides (Isospora Bigemina) with, 207.
 Auxiliary Delegates, Meeting of Student Chapter and, 13.
 Avian Blood Changes Following Injections of Cortisone, 456.
 Avian Pneumoencephalitis, see also Newcastle Disease.
 Avian Pneumoencephalitis Vaccine, Antigenicity of, 66.
 Award for Outstanding Research in the Field of Infectivity, 428.
 Award Winners, 1951, 263.
 Anuria and the Crush Syndrome, 284.

B

Bacillary Hemoglobinuria in Kentucky, 132.
 Bacteria in the Bovine Udder, Paracolin, 455.
 Bacteriology, In Vitro Effect of Antibiotics on Mastitis, 316.
 Ball and the Lesser Sunda Islands, Infectious Diseases of, 460.
 Barium in Studying the Digestive Tract of the Dog, The Use of, 125.
 Barn Ventilation, 370.
 Barn Warmth in Relation to Feed Utilization, 308.
 Benzene Hexachloride and the Delta Isomer on Swine Kidney Worm Larvae, The Lethal Effect of, 283.
 "Big Five" Slaughtered at Omaha Stockyards, 57.
 Bile Duct with a Free Ureteral Graft, Reconstruction of the Common, 354.
 Births, 101, 257, 326, 416, 478.
 Biochemistry, Annual Review of, 317.
 Biological Warfare, What Veterinarians Should Know About, 37.
 Biopsies, Diagnosis of Bovine Schistosomiasis by Rectal, 398.
 Biopsy in Sheep Marrow, 213.
 Biopsy in the Bovine Animal, A Technique of Endometri-ctomy, 388.
 Bison, Parasitism in, 386.
 Blackhead, in Turkeys, Enterobacteriosis, 441.
 Blastoecosis in Dog, 379.
 Blood Coagulation of, 60.
 Blood Samples on the Farm, The Procurement and Handling of Swine, 357.
 Boar, Gastric Ulcer in a Large, 129.
 Boars, Fertility of, 148.
 Boophilus Microplus, Toxophane for Controlling, 228.
 Botany, Medicinal, 491.
 Botulism in Mink, 398.
 Bovides, Placentation in, 226.
 Bovine Animal, A Technique of Endometrial Biopsy in the, 388.
 Bovine Animal, Cancer in the, 383.
 Bovine Animal, Intravenous Ether for General Anesthesia in the, 46.
 Bovine Brucellosis Control in Alberta, 224.
 Bovine Fetal Mummies, Early Spontaneous Delivery of, 194.
 Bovine Hypocalcemia, A Clinical and Laboratory Evaluation of the Salkowitch Test as a Diagnostic Aid in, 380.
 Bovine Ketosis in England, ed page 22 (Nov.).
 Bovine Mastitis with Furacin and Penicillin Mixture, Chemotherapy of, 203.
 Bovine Oviduct, Pathological Alterations of the, 144.

Bovine Pyelonephritis. The Successful Diagnosis and Treatment of. 235.
 Bovine Schistosomiasis by Rectal Biopsies. Diagnosis of. 398.
 Bovine Species. An Approach to the Pathogenesis of Fern Poisoning in the. 440.
 Bovine Tuberculosis in India. 395.
 Bovine Udder. Paracol Bacteria in the. 455.
 Bovine Uterus. Involution of the. 227.
 Bovine Uterus. Multiple Tumors in a. 147.
 Bowel Edema in Pigs. 65.
 Broadcast. National Farm and Home Hour (illus.). 266.
 Bronchitis and Newcastle Disease. Infectious. 294.
 Bronchitis. Infectious. 224.
 Brucella-Infected Cows. Agglutinins in Genital Organs of. 224.
 Brucella in Fistula of the Wethers. 194.
 Brucella M Vaccine for Wisconsin. 68.
 Correction of Report on. 187.
 Brucellar Infection of the Genitals of the Bull. Agglutinin Formation in. 123.
 Brucella Suis. Aureomycin and. 396.
 Brucella Suis for Cattle. Pathogenicity of. 395.
 Brucellosis and Calicoid Vaccination (Alberta). 425.
 Brucellosis—A Review of the Literature. Canine. 301.
 Brucellosis Control in Alberta. Bovine. 224.
 Brucellosis. Ether-Killed Vaccine for. 393.
 Brucellosis in Dogs. Experimental. 394.
 Brucellosis in Farm Journals. More About. 186.
 Brucellosis in Reactor Cattle. Incidence and Distribution at. 224.
 Brucellosis in Slaughtered Hogs. 144.
 Brucellosis. Some Aspects of Its Epidemiology. 78.
 Brucellosis. The Two Tests for. 147.
 Bryan. Medel To Be Awarded in Memory of Dean. 391.
 Bull. Agglutinin Formation in Brucellar Infection of the Genitals of the. 123.
 "Bulletin. The." International Women's Auxiliary Introduces. 320.
 Bull. Radiographic Findings in a Fracture of the Sacrum in a. 49.
 Bull Semen. Abnormal Spermatozoa of. 282.
 Bull Semen. Diluted. 60.
 Bull Semen. Effect of Streptomycin on Fertility of. 435.
 Bull Semen Increased with Antibiotics. Fertility of Diluted. 283.
 Bull Semen Treated with Dihydrostreptomycin Sulfate. 392.
 Bulls. Ration for. 217.
 Bull Wearing an Adaptation of the Thomas Splint (illus.). 193.
 By-Laws. Proposed Amendments to Constitution and Administrative. 83. 152.

C

Calculi in Cattle. Siliceous Renal. 370.
 Cell Diseases. A Study of. 452.
 Cell. Pancyt of the First Pair of Pharyngeal Pouches in a. 447.
 Calves in Sweden. Congenital Goiter in. 227.
 Calves. Vitamin A Depletion in Dairy. 389.
 Calves. Weak. 117.
 Canine Zoonosis. Veterinarians Urgently Needed in. 684.
 Canine Brucellosis. A Review of the Literature. 304.
 Canine Coccidioides (Importa Bigemina) with Aureomycin. Treatment of. 207.
 Canine Distemper Virus Vaccine. Egg-Adapted Modified. 225.
 Canine Histoplasmosis. 411.
 Canine Leptospirosis in Japan. 147.
 Canine Leptospirosis in Japan. Various Strains of. 397.
 Canine Pancreatitis. 455.
 Canine Practice. Clinical Use of Terramycin in. 239.
 Canine Surgery. Curare in. 246.
 Cancer in the Bovine Animal. 383.
 Casting Accident in a Young Horse. 355.
 Cat. Nutrition for the Dog and. 218.
 Cat Pasmonititis. Infectious. 308.
 Cats and Newcastle Disease Virus. 213.
 Cats in North America? Do Whipworms Occur in Domestic. 210.
 Cattle—A Technique for Removal of the Cerebellum for Laboratory Examination. Rabies in. 120.
 Cattle. Diabetes Mellitus in. 398.
 Cattle. Electrolytes in Body Fluids of Dairy. 393.
 Cattle. Episcleritic Enteritis in Cattle (Sweden). 410.
 Cattle. Hyperkeratosis (X-Disease) in. 449.
 Cattle. Incidence and Distribution of Brucellosis in Reactor. 224.
 Cattle in Germany. Hyperkeratosis of. 133.
 Cattle in Montana. Tick Paralysis in. 144.
 Cattle. Measurement of Arterial and Venous Pressure in 146.
 Cattle. Nutrition and Fertility in. 451.
 Cattle. Nutrition and Reproductive Efficiency in. 452.
 Cattle. Pasteurellosis in. 460.
 Cattle. Pathogenicity of Brucella Suis for. 395.
 Cattle. Siliceous Renal Calculi in. 370.
 Cattle. Subcutaneous Granuloma or Skin Tuberculosis of. 370.
 Cattle. The Artificial Insemination of Dairy. 55.
 Cattle. The Effect of Low Manganese Rations on Dairy. 388.
 Cattle. The Influence of Nutrition on Reproductive Efficiency in. 452.
 Cattle. Trace Elements in the Nutrition of. 450.
 Cattle. Vitamin A Studies with Beef. 218.
 Ceiling Prices. Veterinarians and OPS. 143.
 Cell Division and Growth (film). 223.
 Cerebellum for Laboratory Examination. Rabies in Cattle—A Technique for Removal of the. 120.
 Chemical and Medical Facts About Mineral Oil. 148.
 Chemistry. Review of Physiological. 462.
 Chemotherapy, ad page 66 (July).
 Chemotherapy of Bovine Mastitis with Furacin and Penicillin Mixture. 203.
 Chest. Treatment of War Wounds of the. 435.
 Chicago Veterinary College, Class of 1910. 150.
 Chick Eggs. Prolactin in. 398.
 Chick Embryos Infected with Agent from Sheep Lungs. 395.
 Chick Serum During Development of Rous' Sarcoma. Changes in. 392.
 Chickens. Salmonella Infection Among. 78.
 Chickens. Salmonella Pullorum in Hatch Among. 460.
 Chick-Growth Factor. Pregnant Cow Feces Contain a. 75.
 Chicks. Effect of Vitamin B₁₂ and Liver Meal on Hematology of. 225.
 Chicks. Newcastle Disease in. 456.
 Chlorymycin and Terramycin for Infectious Sinusitis of Turkey. 384.
 Cholera Vaccines. Modified Live Virus Type. License Status of Hog. 182.
 Cholera Vaccines To Be Discussed at Milwaukee Convention. Lapinized Hog. 152.
 Choler Virus (Virus W)—Preliminary Report. A New Strain of Variant Hog. 382.
 Citrus Seed Meal. Toxic Factor in. 389.
 Civil Defense and Military Conference Program Enlarged. Convention. 151.
 Civil Defense Planning Conference Scheduled for August 21. Military Needs and. 9.
 Civil Defense. This Is. 139.
 Clostridium Infections in India. II. 68.
 Clover. Estrogenic Effects of Subacute. 356.
 Coagulation in Seeping Hemorrhage—Evaluation of Koagemin.® New to the Veterinary Field. 291.
 Coagulation of Blood. 60.
 Cobalt Shortages. Niacin and. 298.
 Coccidia and Hookworms as Predisposing Factors in Virus Diseases. 124.
 Coccidiocisis (Isospora Bigemina) with Aureomycin. Treatment of Canine. 207.
 Coccidium Pathogenic for Turkeys. A New. 314.
 Coffee. A Message from President. 1.
 Colostrum for Kids. 50.
 Commencements. 175. 238. 240. 242. 244. 246. 247. 248.
 Committees. Gleanings from Reports of AVMA. 187.
 Conception in the Mare. Observations Concerning. 196.
 Conditions Have Changed—A.M.A. Journal. 186.
 Congenital Goiter in Calves in Sweden. 227.
 Congress of Reproduction and Artificial Insemination. Second International. 82.
 Constitution and Administrative By-Laws. Proposed Amendments to. 83. 152.
 Contagious Vaginitis and Epididymitis. 435.
 Convention. Last Minute Notes on the Milwaukee. 150.
 Corn. Turkey Rations May be 60 Per Cent. 217.
 Correspondence. ad pages 30 (Sept.). 38 (Oct.). 34 (Nov.). 34 (Dec.).
 Cortisone and Gestation. 435.
 Cortisone. Avian Blood Changes Following Injections of. 456.
 Cortisone in Diseases of the Eye. 236.
 Cortisone in Rheumatoid Arthritis. 273.
 Cortisone in Wound Healing. 435.
 Cortisone on Acute Streptococcal Infections and Post-streptococcal Complications. 324.
 Cortisone on Liver Degeneration in the Rat. Inhibitory Effect of. 145.
 Cortisone on Sarcoidosis. Effect of. 213.
 Cortisone Therapy in Rheumatoid Arthritis. 455.
 Cow. Parturient Malignant Edema in a. 353.
 Cows. Agglutinins in Genital Organs of Brucella-Infected. 224.
 Cows. Aphosphorous in. 141.
 Cows. Broken Legs of Horses and. 60.

Cows. Feeding Thyroprotein to Dairy. 141.
 Cows. Malnutrition and Infertility in Dairy. 54.
 Cows Produce Quality Milk. Healthy 277.
 Cows. Trace Elements in the Feeds. Organs. and Tissues of Repeat Breeding. 388.
 Cow to Pregnancy. Adaptation of the Body of the. 228.
 Crush Syndrome. Asoturia and the. 284.
 Curare in Canine Surgery. 346.
 Cyclotron Workers. Eosinophile Count in. 315.

D

Dairy Calves. Vitamin A Depletion in. 388.
 Dairy Cattle. Electrolytes in Body Fluids of. 393.
 Dairy Cattle. The Artificial Insemination of. 55.
 Dairy Cattle. The Effect of Low Manganese Rations on. 386.
 Dairy Cows. Feeding Thyroprotein to. 141.
 DDT-Resistant Drosophila to Other Insecticides. The Resistance of. 145.
 DDT. Structural and Insecticidal Relationships in Botanoids. Methoxychrysols. and. 315.
 Dean of Veterinary College (Mich.). Dr. Clark Named. 325.
 Deaths. 101, 180, 237, 326, 410, 478.
 Defense and Military Conference Program Enlarged. Convention Civil. 151.
 Defense Planning Conference Scheduled for August 23. Military Needs and Civil. 9.
 Deferment Under New Selective Service Law. Veterinarians Eligible for. 81.
 Delta Isomer on Swine Kidney Worm Larvae. The Lethal Effect of Benzene Hexachloride and the. 230.
 Dental Histology. Phase-Contrasting Microscope for. 459.
 Dermatitis and Eczema of Small and Large Animals. 371.
 Dermatitis of Sheep. Staphylococci. 445.
 Detergent Combinations. Warning on Quaternary. 236.
 Diabetes Mellitus in Cattle. 388.
 Diagnostic Methods in Veterinary Medicine. 228.
 Disturbing Fats and Inadequacy of Vitamin E. "Sleeltitis" or "Yellow Fat" in Mink. and its Relation to. 72.
 Digestive Tract of the Dog. The Use of Barium in Studying the. 125.
 Dihydrostreptomycin Sulfate. Bull Semen Treated with. 392.
 Dirofilaria Immitis. Test for. 313.
 Distemper. Neurotropic Virus Isolated from Dog with Nervous. 286.
 Distemper Vaccinations. Evaluation of. 239.
 Distemper Virus Vaccine. Egg-Adapted Modified Canine. 225.
 Diuretics with Mono- and Dithiols. Reactions of Mercurial. 225.
 Doctor. Meet the Press. 453.
 Dog and Cat. Nutrition for the. 218.
 Dog. Blastomycosis in. 379.
 Dog Care. New Literature on. ad page 32 (Nov.).
 Dog. Functional Activity of the Sweat Glands in the. 456.
 Dog Prior to Extrication. An Improved Method of Packing the Anal Sac of the. 446.
 Dog. Rabies and Apparently Healthy. 393.
 Dogs. Apicoectomy on. 459.
 Dogs. Author Disappointed with Reaction to His Findings in Diabetics in. 357.
 Dogs. Buccal Warts in. 61.
 Dogs. Congestive Heart Failure in. 62.
 Dogs. Experimental Brucellosis in. 284.
 Dogs. Hypertrophic Pulmonary Osteoarthropathy in Association with Pulmonary Neoplasia in. 442.
 Dogs in Mexico City. Salmonella and Shigella Organisms in the Intestinal Tracts of. 385.
 Dogs. Investigations on Internal Parasites of. 213.
 Dogs. Soft Fibromas (Molluscum Fibrosum) in. 237.
 Dogs. Subclinical Rabies in. 382.
 Dogs. Virus in Urine. Factor in Infectious Hepatitis in. 383.
 Dog. The Use of Barium in Studying the Digestive Tract of the. 125.
 Dog Week. National. 230.
 Dog with Nervous Distemper. Neurotropic Virus Isolated from. 286.
 Dorset. Commemorative Tablet for Dr. 254.
 Drosophila to Other Insecticides. The Resistance of DDT-Resistant. 145.
 Drugs in Mixed Feeds. 217.
 Ducks Reported. A New Disease of. 138.
 Dysentery in Dogs. Author Disappointed with Reaction to His Findings in. 357.
 Dystrophy in Swine. Toxic Liver. 397.

E

Eczema of Small and Large Animals. Dermatitis. 371.

Edema Disease. 229.
 Edema Disease of Swine. 200.
 Edema in a Cow. Parturient Malignant. 353.
 Edema in Pigs. Bowel. 85.
 Edema in Three Illinois Swine Herds. Gut. 438.
 Editors, and Public Relations Workers Combined. Conference of Secretaries. 10.
 Editors, and Public Relations Workers Will Meet in Milwaukee. Secretaries. 151.
 Egg-Adapted Modified Canine Distemper Virus Vaccine. 225.
 Egg as a Culture Medium for *Vibrio fetus*. The. 460.
 Eggs. Leukosis Not Transmitted Through. 232.
 Eggs. Putrefaction of Chicken. 328.
 Electrocytology. Fluorescent Microscopy and. 461.
 Electrolytes in Body Fluids of Dairy Cattle. 391.
 Embryologic and Neonatal Problems Related to Ionizing Radiations of Interest to Veterinarians. Genetic. 103.
 Embryos Infected with Agent from Sheep Lungs. Chicken. 395.
 Emergency Planning. 101, 257, 477.
 Encephalomyelitis. Eastern Equine. 78.
 Encephalomyelitis in the United States in 1950. Infectious Equine. 110.
 Encephalomyelitis. Serodiagnosis of. 458.
 Endocarditis of Pigs Simulates the Rheumatic Stigmata of Man. Changes in the. 457.
 Endometrial Biopsy in the Bovine Animal. A Technique of. 368.
 England. The Practice of Veterinary Medicine in. 77.
 Enrollment in Colleges of Veterinary Medicine. 1951-1952, and Preprofessional Training of First-Year Students. 466.
 Enteritis in Cattle. Epizootic (Sweden). 410.
 Enterohepatitis (Blackhead) in Turkey. 441.
 Entertainment. General Convention. 4.
 Eosinophile Count in Cyclotron Workers. 315.
 Epididymitis. Contagious Vaginitis and. 425.
 Epizootic Enteritis in Cattle (Sweden). 410.
 Equine Encephalomyelitis. Eastern. 78.
 Equine Encephalomyelitis in the United States in 1950. Infectious. 110.
 Equine Respiratory Diseases. Diagnosis and Treatment of. 396.
 Eructation in Sheep. 293.
 Erysipelas. Swine. 288.
 Esophagus. Postmortem Bypire of the. 355.
 Estrogenic Effects of Subterranean Clover. 356.
 Estrogenic Effects on the Ewe when Grazing on Subterranean Clover. 134.
 Ether for General Anesthesia in the Bovine Animal. Intravenous. 46.
 Ether-Killed Vaccine for Brucellosis. 393.
 Ethics Committees To Meet. Chairmen. State. 151.
 Etiology of Puerperal Acetonemia. 316.
 European Animal Disease Problems. Observations on. 148.
 Ewe when Grazing on Subterranean Clover. Estrogenic Effects on the. 194.
 Executive and Legislative Sessions. 9.
 Executive Board. 2.
 Executive Board and House of Representatives. Some Actions of the. 264.
 Executive Board Elections. Candidates in. 81.
 Executive Committee of House of Representatives Elected. First. 152.
 Exhibit on Mastitis Control in New York State Wins First Place. Scientific. 261.
 Exhibits at Milwaukee. The Commercial. 30.
 Exhibits. The Educational. 28.
 Extrication. An Improved Method of Packing the Anal Sac of the Dog Prior to. 446.
 Eye. Cortisone in Diseases of the. 288.

F

Federal Aid for Sheep Scabies Work. Ask More. 117.
 Feeds. Drugs in Mixed. 217.
 Feed Supplements. Definitions of. 222.
 Feed Utilization. Barn Warmth in Relation to. 308.
 Fern Poisoning in the Bovine Species. An Approach to the Pathogenesis of. 440.
 Fertility in Cattle. Nutrition and. 451.
 Fertility of Boars. 146.
 Fertility of Bull Semen. Effect of Streptomycin on. 435.
 Fertility of Diluted Bull Semen Increased with Antibiotics. 283.
 Fibromas (Molluscum Fibrosum) in Dogs. Soft. 297.
 Films: The Triple Threat. 90; Cell Division and Growth. 229; Functional Anatomy of the Reproductive Tract of the Cow. 490.
 Fistula of the Uterus. Brucella in. 194.
 Flood Bulletin. Kansas City. 107.
 Fluorescent Microscopy and Electrocytology. 461.

Fluorine on Swine Teeth. Effect of. 314.
Foot-and-Mouth Disease Virus. 656.
Fowl Typhoid. 428.
Fly. Tests with Repellents Against the Stable. 214.
Fools. Septicemic Infections of Newborn. 313.
Foot-and-Mouth Disease Campaign. Dr. Noyes Co-Director of. 94.
Foot-and-Mouth Disease Center Established, Pan American. 139.
Foot-and-Mouth Disease in Mexico, July, 1951. Status of. 189.
Foot-and-Mouth Disease Outbreak in Mexico. Quell New. 312.
Foot-and-Mouth Disease Virus Preparations. 397.
Foreign News. 100, 180, 255, 326, 410, 475.
Forestomach. Pathology of the Ruminant. 318.
Fowl Paralysis in Indonesia. 397.
Fowlpox. Prophylix. 398.
Fowl Typhoid in Turkeys. 146.
Frick's Cattle Tube (Evolution of a New Instrument). 138.
Fumagillin—New Antibiotic. 208.
Furacin and Penicillin Mixture. Chemotherapy of Bovine Mastitis with. 203.

G

Gangs of Horses. The. 112.
Gastric Acid Secretion. Histamine and. 392.
Gastric Ulcer in a Large Boar. 129.
Gastroenteritis in Swine. Transmissible. 137.
Gastritis. Transmissible. 394.
Genetic. Embryologic, and Neuronal Problems Related to Ionizing Radiations of Interest to Veterinarians. 103.
Genital Infection in the Mare. 355.
Genital Organs of Brucella-infected Cows. Agglutinins in. 224.
Genitals of the Bull. Agglutinin Formation in Brucellar Infection of the. 123.
Germany. Hyperkeratosis of Cattle in. 133.
Gerontological Congress. International. 464.
Gestation. Cortisone and. 435.
G.I. Educational Program. Status of. 320.
Glanders in Indonesia. Combating. 78.
Goiter in Calves in Sweden. Congenital. 227.
Gold Championship, Iowa Team Wins. 264.
Gold Tournament. August 23. 4.
Graft. Reconstruction of the Common Bile Duct with a Free Ureteral. 354.
Grafts in Small Arteries. Arterial. 433.
Gramoderm—Antibiotic for Skin Diseases. 124.
Granuloma or Skin Tuberculosis of Cattle. Subcutaneous. 376.
Gut Edema in Three Illinois Swine Herds. 436.
Gynecology. Education in Veterinary Obstetrics and. 118.

H

Heart Failure in Dogs. Congestive. 61.
Hematology. Color Atlas of Morphologic. 399.
Hematology of Chicks. Effect of Vitamin B₁₂ and Liver Meal on. 225.
Hemoglobinuria in Kentucky. Bacillary. 132.
Hemorrhage—Evaluation of Koenigsmann® New to the Veterinary Field. Coagulation in Seepings. 291.
Hemostatic Agent. Starch Sponge—A New. 233.
Hens. Peritonitis of the Oviduct in. 316.
Hepatic Function in Man Before and After Partial Resection of Liver. 455.
Hepatitis in Dogs. Virus in Urine Factor in Infectious. 383.
Heroes. Unsung. 43.
Hexachloride and the Delta Isomer on Swine Kidney Worm Larvae. The Lethal Effect of Benzene. 293.
Highlights of Eighty-Eighth Annual Meeting. 259, 335.
Hip Joint. A Prosthesis for Reconstruction of the. 356.
Histamine and Gastric Acid Secretion. 392.
Histoplasmin Skin Test in Animals. The. 69.
Histoplasmosis. Canine. 411.
Histoplasmosis in Two Boxer Breeding Kennels. Some Aspects of the Epidemiology of. 185.
"Hog Cholera Vaccine." Adsorbed. 185.
Hog Cholera Vaccines. Modified Live Virus Type. License Status of. 189.
Hog Cholera Vaccines To Be Discussed at Milwaukee Convention. Laminized. 152.
Hog Cholera Virus (Virus W)—Preliminary Report. A New Strain of Variant. 382.
Hogs. Brucellosis and Vitamin B₁₂ for. 452.
Hookworms as Predisposing Factors in Virus Diseases. Coccidia and. 124.
Hormonal Influence on the In Vitro Synthesis of Radioactive Fatty Acids. 79.

Hormones and Mammary Gland Development. 48.
Hormone Therapy. 182.
Horse. Casting Accident in a Young. 355.
Horse. Pavlov Stomach in the. 458.
Horse. Production of Newcastle Disease Hyperimmune Serum in a. 457.
Horses. 462.
Horses and Cows. Broken Legs of. 60.
Horses. Diseases of. 318.
Horses in Central Kentucky. Treatment of Ascarisias in. 362.
Horses Laparotomy in. 273.
Horses. The Gaits of. 112.
Horse Strongyle Larvae. Effect of Iodine Compounds on. 146.
Horse with Auxiliary Windpipe (Illus.). 123.
Hospital. Plans of a Large and Small Animal. 418.
Hospitals Needed. Plans of Large Animal. 142.
House of Representatives. 3.
House of Representatives Elected. First Executive Committee of. 152.
House of Representatives. Some Actions of the Executive Board and. 264.
Human Act Award. Winner of the 1951 AVMA. 339.
Human Rabies (Ind.). 407.
Hydrolyses in Veterinary Medicine. Protein. 309.
Hyperkeratosis of Cattle in Germany. 133.
Hyperkeratosis. The Experimental Production of. 449.
Hyperkeratosis (X-Disease) in Cattle. 499.
Hypertrophic Pulmonary Osteoarthropathy in Association with Pulmonary Neoplasia in Dogs. 442.
Hypocalcemia. A Clinical and Laboratory Evaluation of the Sulkowitch Test as a Diagnostic Aid in Bovine. 380.
Hypoglycemia. Effect of Previous Diet on Fasting. 140.

Illinois Swine Herds. Gut Edema in Three. 436.
Immunity. Inherited. 313.
Immunity in Rinderpest. Some Aspects of. 313.
Immunity. Relations Between Allergy and. 315.
Income Will Interest Veterinarians. Survey of Physicians'. 311.
Index of Medical Literature. Progress Toward a World. 391.
Index of Treatment in Small Animal Practice. 399.
India. Bovine Tuberculosis in. 335.
India. II. Clostridium Infections in. 66.
India. Common Poultry Diseases in. 222.
Indonesia. Anaerobic Bacterial Infections in Domestic Animals in. 451.
Indonesia. Combating Glanders in. 78.
Indonesia. Fowl Paralysis in. 397.
Infectious Diseases of Bali and the Lesser Sunda Islands. 450.
Infectious Diseases of Domestic Animals. 148.
Infertility in Dairy Cows. Malnutrition and. 54.
Infertility in Mares. 60.
Influenza in Japan. Swine. 228.
Influenza Virus. Provocation of Masked Swine. 315.
Infusion in Large Animals. Technique for Continuous Intravenous. 201.
Inherited Immunity. 313.
Injection of Drugs from a Distance in Conditional Reflex Studies. Intravenous. 354.
Insecticides and Pesticides. The New. 76.
Insecticides for Agriculture. 378.
Insecticides. The Resistance of DDT-Resistant Drosophila to Other. 145.
Insemination. Antibiotic Drugs in Artificial. 60.
Insemination. Factors Affecting Reproduction, and Semen Studies in Sheep of the Highland Pastures of Southern Peru. A Report of Artificial. 275.
Insemination of Dairy Cattle. The Artificial. 53.
Insemination. Second International Congress of Reproduction and Artificial. 62.
Instrument. Evolution of New. 139.
Internal Diseases of Domestic Animals. 318.
International Women's Auxiliary Introduces "The Bulletin." 320.
Intravenous Infusion in Large Animals. Technique for Continuous. 201.
Involution of the Bovine Uterus. 227.
Iodine Compounds on Horse Strongyle Larvae. Effect of. 146.
(Isospora Bigemina) with Aureomycin. Treatment of Canine Coccidioides. 207.
Italy. Q Fever in Central. 438.

J

Japan. Canine Leptospirosis in. 147.

Japan. Swine Influenza in. 228.
Japan. Various Strains of Canine Leptospirosis in. 397.
Japan. Virus Disease of Swine in. 315.
Jen-Sai Men To Go to India. ad page 54 (July).

K

Kansas City Flood Bulletin. 107.
Kennel Management, Successful. 299.
Kentucky. Equine Hemangioblastoma in. 132.
Kentucky. Treatment of Ascariasis in Horses in Central. 363.
Keratitis in England. Bovine. ad page 32 (Nov.).
Kids. Colostrom for. 60.
Koagumin® New to the Veterinary Field. Coagulation in Seeping Hemorrhage—Evaluation of. 291.

L

Laboratory Priorities of Interest to Profession. Technical and Scientific. 230.
Land-Grant College Association. Meeting of Veterinary Division of. 457.
Laparotomy in Horses. 273.
Laparinated Hog Cholera Vaccines To Be Discussed at Milwaukee Convention. 152.
Laparinated Virus Vaccine to Suppress Active Rinderpest (Africa). 475.
Legislative Sessions. Executive and. 9.
Legs of Horses and Cows. Broken. 60.
Leptospira. Pure Cultures of. 459.
Leptospirosis in Japan. Canine. 147.
Leptospirosis in Japan. Various Strains of Canine. 397.
Leukocytes During Pregnancy. The. 194.
Leukosis Not Transmitted Through Eggs. 292.
Lindane. The Story of. ad page. 50 (July).
Lion with amputated tail (illus.). 123.
Listeriosis. 382. 392.
Literature. Progress Toward a World Index of Medical. 391.
Liver Dystrophy in Swine. Toxic. 397.
Liver Function in Normal and Toxic Pregnancy. 233.
Liver. Hepatic Function in Man Before and After Partial Resection of. 453.
Local Arrangements. Committee on. 5.
Local Arrangements. Committee on (Atlantic City). 463.
Local Arrangements. Message from Chairman. Committee on. 4.
Local Committees. Officers of the. 4.

M

Malnutrition and Infertility in Dairy Cows. 54.
Mammary Gland Development. Hormones and. 48.
Manchukuo. Salmonellosis in. 384.
Manganese. Rations on Dairy Cattle. The Effect of Low. 388.
Man. Salmonellosis in. 316.
Manslaughter? Careless Spread of Transmissible Disease—is It. 209.
Mare. Genital Infection in the. 355.
Mare. Observations Concerning Conception in the. 190.
Mare. Infertility in. 80.
Marrow Biopsies in Sheep. 213.
Martin Laboratories. Court Rules Against. 95.
Mastitic-like Milk. Resazurin Reduction in Freshly Drawn. 370.
Mastitis Bacteria. In Vitro Effect of Antibiotics on. 316.
Mastitis. Diagnosis and Treatment of. 227.
Mastitis. Penicillin Therapy of. 227.
Mastitis. Test Lesions and. 316.
Mastitis with Furacin and Penicillin Mixture. Chemotherapy of Bovine. 203.
Meetings. New Ways to Better. 149.
Meetings of Other Organizations. AVMA Group Conferences and. 8.
Mercurial Diuretics with Mono- and Dithiols. Reactions of. 223.
Methoxychlor. and DDT. Structural and Insecticidal Relationships in Rotenone. 315.
Mexico City. Salmonella and Shigella Organisms in the Intestinal Tracts of Dogs in. 385.
Mexico. Quell New Foot-and-Mouth Disease Outbreak in. 312.
Microscope for Dental Histology. Phase-Contrasting. 459.
Microscopy and Electrocytology. Fluorescent. 461.
Military Conference Program Enlarged. Convention Civil Defense and. 151.
Military Needs and Civil Defense Planning Conference Scheduled for August 23. 9.

Military Surgeons To Convene in Chicago. 320.
Milk. Healthy Cows Produce Quality. 277.
Milk. Parthenon in. 67.
Milk. Penicillin Content of. 399.
Milk Production. The Public Health Veterinarian in Relation to. 439.
Milk. Resazurin Reduction in Freshly Drawn Mastitic-like. 370.
Milwaukee Meeting. More Highlights of the. 335.
Milwaukee Session
A Message from President Coffey. 1.
AVMA Officers. 1950-1951. 2.
Executive Board. 2.
House of Representatives. 3.
Message from Chairman. Committee on Local Arrangements. 4.
General Convention Entertainment. 4.
Facilities for Private Plumes. 4.
Golf Tournament. August 23. 4.
Officers of the Local Committee. 4.
Committee on Local Arrangements. 5.
The 1951 Session—Official Call. 7.
Extension Veterinarians To Meet in Milwaukee. 7.
AVMA Group Conferences and Meetings of Other Organizations. 8.
Executive and Legislative Sessions. 9.
Military Needs and Civil Defense Planning Conference Scheduled for August 23. 9.
Message from the Chairman of the Committee on Women's Activities. 10.
Conference of Secretaries, Editors, and Public Relations Workers Combined. 10.
Zoo Veterinarians To Meet at Milwaukee. 10.
Women's Activities. 11.
Teenagers' Program. 12.
Meeting of Student Chapter and Auxiliary Delegates. 13.
Message from the President of the Women's Auxiliary. 13.
Women's Auxiliary Officers. 13.
Women's Program. 14.
Opening Session. 15.
Section Meetings. 15.
The Educational Exhibits. 28.
The Commercial Exhibits at Milwaukee. 30.
Last Minute Notes on the Milwaukee Convention. 150.
Chicago Veterinary College. Class of 1910. 151.
Chairman. State Ethics Committees To Meet. 151.
Convention Civil Defense and Military Conference Program Enlarged. 151.
Secretary, Editors, and Public Relations Workers Will Meet in Milwaukee. 151.
Women and Children Urged To Participate in Convention Program. 151.
Highlights of the Eighty-Eighth Annual Meeting. 259.
Scientific Exhibit on Mouth Control in New York State Wins First Place. 263.
Lower Town Wins Gold Championship. 264.
1951 Award Winners. 263.
Some Actions of the Executive Board and House of Representatives. 264.
President-Elect and Other Officers Named at Milwaukee. 265.
National Farm and Home Hour Broadcast (illus.). 266.
More Highlights of the Eighty-Eighth Annual Meeting. 335.
Television at the Milwaukee Meeting. 341.

Mineral Oil. Chemical and Medical Facts About. 148.
Minerals to Swine. It Pays To Feed Trace. 451.
Mink. and its Relation to Dietary Fats and Inadequacy of Vitamin E. "Steatitis" or "Yellow Fat" in. 72.
Mink. Botulism in. 398.
Mink in Health and Disease. 317.
(Molluscum Fibrosum) in Dogs. Soft Fibroma. 297.
Moniliasis. Technique for Diagnosing Ringworm Infections and. 439.
Monkeys. Newcastle Disease and Poliomyelitis Viruses in Rhesus. 393.
Montana. Tick Paralysis in Cattle in. 144.
Morphologic Hematology. Color Atlas of. 399.
Morphology of Turkey Spermatozoa. 393.
Mortality: A Five-Year Survey of the Records of the Angelini Memorial Animal Hospital. Anesthetic. 423.
Mummies. Early Spontaneous Delivery of Bovine Fetal. 194.

N

National Dog Week. 230.
National Farm and Home Hour Broadcast (illus.). 266.
National Research Council Available. Reports of. 415.
Neonatal Problems Related to Ionizing Radiations of Interest to Veterinarians. Genetic, Embryologic. and. 102.

Neoplasm in Dogs. Hypertrophic Pulmonary Osteoarthritis in Association with Pulmonary. 442.
Neoplasms in Small Animals. 124.
Neural Control of the Pituitary Gland. 423.
Neurotropic Virus Isolated from Dog with Nervous Distemper. 296.
Newcastle Disease, see also Avian Pneumoencephalitis. Newcastle Disease and Poliomyelitis Viruses in Rhesus Monkeys. 393.
Newcastle Disease and "Virofrial." 223.
Newcastle Disease. Another Vaccine Against. 147.
Newcastle Disease. Hyperimmune Serum in a Horse. Production of. 457.
Newcastle Disease in Chicks. 455.
Newcastle Disease. Infectious Bronchitis and. 294.
Newcastle Disease. Soreye and. 316.
Newcastle Disease Survey in Alberta. 362.
Newcastle Disease. The Pathology of. 396.
Newcastle Disease. Vaccination Against. 480.
Newcastle Disease. Vaccination Trials Against. 147.
Newcastle Disease Virus. Cats and. 213.
Newcastle Disease Virus from the Great Horned Owl. Isolation of. 71.
Niacin and Cobalt Shortages. 298.
Nutrient Allowances Available. NRC Reports on. 62.
Nutrition and Fertility in Cattle. 451.
Nutrition and Reproductive Efficiency in Cattle. 452.
Nutrition. Animal Products in Human. ed page 50 (July). Nutrition for the Dog and Cat. 218.
Nutrition of Cattle. Trace Elements in the. 450.
Nutrition on Reproductive Efficiency in Cattle. The Influence of. 452.

O

Obstetrics and Gynecology. Education in Veterinary. 118.
Obstetrics in Swine. 48.
Obstetrics. Porcine. 461.
Obstetrics. Veterinary. 80.
Occupational Health of Medical Personnel Discussed at A.M.A. Meeting. 230.
Officers Named at Milwaukee. President-Elect and Others. 265.
Officers. 1950-1951. AVMA. 2.
Official Call. The 1951 Session. 7.
Opening Session. 15.
OPS Calling Prices. Veterinarians and. 143.
Organizations. AVMA Group Conferences and Meetings of Other. 2.
Osteoarthritis in Association with Pulmonary Neoplasm in Dogs. Hypertrophic Pulmonary. 442.
Oviduct. Pathological Alterations of the Bovine. 144.
Owl. Isolation of Newcastle Disease Virus from the Great Horned. 71.

P

Pan American Conference on Veterinary Medicine. Lima, Peru. Late News About the First. 319.
Pancreatic Duct. Experimental Anastomoses of the. 379.
Pancreatitis. Canine. 455.
Paracolin Bacteria in the Bovine Udder. 455.
Paralysis in Cattle in Montana. Tick. 144.
Parasites of Dogs. Investigations on Internal. 213.
Parasitic Anemia. 452.
Parasitism in Bison. 385.
Parasitology. AVMA Committee on. 335.
Parathion in Milk. 67.
Paroxysm. Parturient. 216.
Parturient Malignant Edema in a Cow. 353.
Parturient Paroxysm. 216.
Pasteurellosis in Cattle. 460.
Past-President of the AVMA in Attendance at the Milwaukee Meeting (illus.). 327.
Patency of the First Pair of Pharyngeal Pouches in a Calf. 447.
Pathogenicity of *Brucella suis* for Cattle. 385.
Pathogenesis of Fern Poisoning in the Bovine Species. An Approach to the. 440.
Pathologists Meet. American College of Veterinary. 335.
Pavlov Stomach in the Horse. 458.
Payton Uterus and Vaginal Prolapse Preventer. The. 434.
Penicillin Content of Milk. 386.
Penicillin Mixture. Chemotherapy of Bovine Mastitis with Furacin and. 203.
Penicillin-Procaine. The Prophylaxis of Tetanus with. 453.
Penicillin-Resistant Culture to the Parent Penicillina-Sensitive Strain. Diffusion of Essential Growth Factors from an Induced. 78.
Penicillin Therapy of Mastitis. 227.
Penicilmethonium in Surgical Emergencies. 356.
Peritonitis of the Oviduct in Hens. 318.
Prescription Diets. ed page 36 (July).
Peru. A Report of Artificial Insemination. Factors Affecting Reproduction, and Semen Studies in Sheep of the Highland Pastures of Southern. 276.
Peru. Late News About the First Pan American Conference on Veterinary Medicine. Lima. 319.
Pesticides. The New Insecticides and. 76.
Pharyngeal Pouches in a Calf. Patency of the First Pair on. 447.
Pharmacology of the Ruminant Forestomachs. 229.
Phenol in Topical Anesthesia. 48.
Physicians' Income Will Interest Veterinarians. Survey of. 311.
Physiological Chemistry. Review of. 462.
Physiology of the Ruminant Forestomachs. 229.
Pigs. Bowel Edema in. 63.
Pigs. Experimental Uremia in Young. 393.
Pigs. Normal Rations Contain Sufficient Riboflavin for. 388.
Pigs. Serum Proteins in. 397.
Pigs Simulate the Rheumatic Stigmata of Man. Changes in the Endocardium of. 457.
Pituitary Gland. Neural Control of the. 423.
Placentation in Bovines. 226.
Planes. Facilities for Private. 4.
Plans of a Large and Small Animal Hospital. 419.
Plasmopneumonia. Contagious. 68.
Pneumonitis. Infectious Cat. 308.
Poisoning from 2-4-D. 132.
Poisoning in Alberta. Algal. 387.
Poisoning in the Bovine Species. An Approach to the Pathogenesis of Fern. 440.
Poisoning. Sodium Dibasic Phosphate in Lead. ed page 28 (Sept.).
Poliomyelitis. Viruses in Rhesus Monkeys. Newcastle Disease and. 393.
Porcine Obstetrics. 461.
Postemetic Rupture of the Esophagus. 355.
Poultry Diseases in India. Common. 222.
Pregnancy. Adaptation of the Body of the Cow to. 223.
Pregnancy. Liver Function in Normal and Toxicemic. 283.
Pregnancy. The Leucocytes During. 194.
Pregnancy Toxicosis of Sheep. High Incidence of. 356.
Pregnant Cow Feces Contain a Chick-Growth Factor. 78.
President Coffie. A Message from. 1.
President-Elect and Other Officers Named at Milwaukee. 265.
President's Address. The. 181.
Press. Doctor Meet the. 453.
Prolapse Preventer. The Payton Uterus and Vaginal. 434.
Prophylaxis of Tetanus with Penicillin-Procaine. The. 453.
Prosthesis for Reconstruction of the Hip Joint. A. 354.
Protein Hydrolysates in Veterinary Medicine. 309.
Proteins in Pigs. Serum. 397.
Pulitoacis-Lymphogranuloma Viruses. A New Member of the. 382.
Public Health. The Veterinarian and. 312.
Public Health. The Veterinarian in. 458.
Public Health Veterinarian in National Defense. The. 457.
Public Health Veterinarian in Relation to Milk Production. The. 439.
Public Relations Workers Combined. Conference of Secretaries. Editors, and. 10.
Public Relations Workers Will Meet in Milwaukee. Secretaries. Editors, and. 151.
Puerperal Actonism. Etiology of. 316.
Pullorum Disease. Cultural Variations in Strains of. 459.
Pullorum Disease. Studies in. 314.
Pulmonary Osteoarthritis in Association with Pulmonary Neoplasm in Dogs. Hypertrophic. 442.
Putrefaction of Chicken Eggs. 396.
Pyelonephritis. The Successful Diagnosis and Treatment of Bovine. 295.

Q

Q Fever in Central Italy. 438.
Quaternary-Detergent Combinations. Warning on. 236.
Questions and Answers—Veterinary. 80.

R

Rabbit Raising. Domestic. 274.
Rabbit. Slobbers in the. 463.
Rabies Conference (Nebraska). 252.
Rabies. Human (Ind.). 407.
Rabies in an Apparently Healthy Dog. 389.

Rabies in Cattle—A Technique for Removal of the Cerebellum for Laboratory Examination. 120.
 Rabies. Incidence of (S. Dak.). 99.
 Rabies in Dogs. Subclinical. 382.
 Rabies Outbreak (Va.). 99.
 Rabies. Preventive Treatment for. 458.
 Rabies Threatens U. S. Troops in Alaska. 177.
 Radiations of Interest to Veterinarians. Genetic, Embryologic, and Neonatal Problems Related to Ionizing. 103.
 Radiation Syndrome of Veterinary Clinicians. Some Clinical Aspects and Therapy of the Acute. 44.
 Radioactive Fatty Acids. Hormonal Influence on the In Vitro Synthesis of. 73.
 Radiographic Findings in a Fracture of the Sacrum in a Bull. 49.
 Radiological Conference. The Veterinary. 337.
 Radiological Health Training Program (Ga.). 225.
 Ralston Purina Company. Veterinarians Entertained by the. 402.
 Rat. Inhibitory Effect of Cortisone on Liver Degeneration in the. 145.
 Ratton for Bulls. 217.
 Rations Contain Sufficient Riboflavin for Pigs. Normal. 389.
 Rations on Dairy Cattle. The Effect of Low Manganese. 388.
 Reduit Locks Before He Leaps. Young. ad page. 48 (July).
 Rectal Biopsies. Diagnosis of Bovine Schistosomiasis by. 288.
 Registry of Veterinary Pathology Will Help You If You Will Help It. The. 380.
 Repellents Against the Stable Fly. Tests with. 214.
 Reports of National Research Council Available. 415.
 Reproduction and Semen Studies in Sheep of the Highland Pastures of Southern Peru. A Report of Artificial Insemination. Factors Affecting. 278.
 Reproductive Efficiency in Cattle. Nutrition and. 452.
 Reproductive Efficiency in Cattle. The Influence of Nutrition on. 452.
 Reproductive Tract of the Cow. Functional Anatomy of the (Sim.). 400.
 Resorumin Reduction in Freshly Drawn Mastitic-like Milk. 370.
 Research in the Field of Infertility. Award for Outstanding. 428.
 Research Methods in Medical. 318.
 Research Program to Conserve "Animal Power" ad page 54 (July).
 Resection of Liver. Hepatic Function in Man Before and After Partial. 455.
 Respiratory Diseases. Diagnosis and Treatment of Equine. 398.
 Restraint of Animals. 317.
 Rheumatic Symptoms of Men. Changes in the Endocardium of Pigs Simulate the. 457.
 Rheumatoid Arthritis. Cortisone in. 273.
 Rheumatoid Arthritis. Cortisone Therapy in. 456.
 Rhinitis in Swine. 146.
 Riboflavin for Pigs. Normal Rations Contain Sufficient. 389.
 Rinderpest. Lepinized Virus Vaccine to Suppress Active (Africa). 475.
 Rinderpest. Some Aspects of Immunity in. 313.
 Ring Test vs. Blood Test. 124.
 Ringworm Infections and Moniliasis. Technique for Diagnosing. 429.
 Retirement Policy for Veterinary Officers Announced. 410.
 ROTC Veterinary Units Attend Summer Encampment. 416.
 Rotenone, Methoxychlor, and DDT. Structural and Insecticidal Relationships in. 315.
 Rous' Sarcoma. Changes in Chicken Serum During Development of. 392.
 Human Physiology. 40.
 Ruminant Forestomachs. Pathology of the. 216.
 Ruminant Forestomachs. Pharmacology of the. 229.
 Ruminant Forestomachs. Physiology of the. 229.
 Rupture of the Esophagus. Postmortem. 355.

5

Sacrum in a Bull. Radiographic Findings in a Fracture of the. 49.
 Salmonella and Shigella Organisms in the Intestinal Tracts of Dogs in Mexico City. 385.
 Salmonella Carriers Among Healthy Swine. 229.
 Salmonella from Faeces of Domestic Animals. Isolation of. 394.
 Salmonella Infection Among Chickens. 78.
 Salmonella Pullorum Infection Among Chickens. 460.
 Salmonellosis in Men. 316.
 Salmonellosis in Manchukuo. 398.
 Salvage Through Slaughter. 270.
 Sarcoidosis. Effect of Cortisone on. 213.
 Sarcoma. Changes in Chicken Serum During Development of Rous'. 392.
 Schistosomiasis by Rectal Biopsies. Diagnosis of Bovine. 398.
 Scholarship Awarded by Texas State Association. 85.
 Schools Approved. New. 220.
 Science Advances. Ten Top. 40.
 Science. American Association for the Advancement. 320.
 Scotland. Actinomycosis in Northeast. 277.
 Secretaries, Editors, and Public Relations Workers Combined. Conference of. 10.
 Secretaries, Editors, and Public Relations Workers Will Meet in Milwaukee. 151.
 Section Meetings. 18.
 Semen. Abnormal Spermatozoa of Bull. 222.
 Semen. Diluted Bull. 60.
 Semen. Effect of Streptomycin on Fertility of Bull. 435.
 Semen Increased with Antibiotics. Fertility of Diluted Bull. 283.
 Semen Studies. 228.
 Semen Studies in Sheep of the Highland Pastures of Southern Peru. A Report of Artificial Insemination. Factors Affecting Reproduction. and 278.
 Semen Treated with Dihydrostreptomycin Sulfate. Bull. 392.
 Septicemic Infections of Newborn Foals. 313.
 Serodiagnosis of Encephalomyelitis. 458.
 Serum in a Horse. Production of Newcastle Disease Hyperimmune. 457.
 Sewage and Newcastle Disease. 316.
 Sheep. Eruption in. 393.
 Sheep. High Incidence of Pregnancy Toxemia of. 355.
 Sheep Lung. Chicken Embryos Infected with Agent from. 395.
 Sheep. Marrow Biopsy in. 213.
 Sheep of the Highland Pastures of Southern Peru. A Report of Artificial Insemination. Factors Affecting Reproduction, and Semen Studies in. 278.
 Sheep Scabies. Ask More Federal Aid for. 117.
 Sheep. Staphylococcal Dermatitis of. 445.
 Sheep Ticks. Control of. 398.
 Sheeplike Organisms in the Intestinal Tracts of Dogs in Mexico City. Salmonella and. 385.
 Siliceous Renal Calculi in Cattle. 370.
 Sinusitis of Turkeys. Chloramycin and Terramycin for Infectious. 384.
 Sinusitis of Turkeys. Virus of Infectious. 395.
 Skin Diseases. Gramoderm—Antibiotic for. 134.
 Skin Tuberculosis of Cattle. Subcutaneous Granuloma or. 370.
 Slaughter. Salvage Through. 270.
 Slither in the Rabbit. 443.
 Small Animal Cases. Terramycin in Selected. 302.
 Sodium Dibasic Phosphate in Lead Poisoning. ad page 28 (Sept.). ?
 Sows. Sterility in. 481.
 Spermatozoa. Morphology of Turkey. 293.
 Spermatozoa of Bull Semen. Abnormal. 282.
 Sperm. Techniques of Examining. 129.
 Stargardt. A New Homeopathic Agent. Starch. 281.
 Staphylococcal Dermatitis of Sheep. 445.
 Starch Syrup—A New Homeopathic Agent. 283.
 Statistics in Veterinary Medicine. Vital. 267.
 "Stearitis" or "Yellow Fat" in Mink and its Relation to Dietary Fats and Inadequacy of Vitamin E. 72.
 Sterility in Sows. 481.
 Stomach in the Horse. Peptic. 458.
 Stomach Worm in Swine. The Red. 461.
 Straw in the Wind. 218.
 Streptomycin on Fertility of Bull Semen. Effect of. 425.
 Strongyle Larvae. Effect of Iodine Compounds on Horse. 146.
 Student Chapter Activities. 86, 155, 231, 457.
 Student Chapter and Auxiliary Delegates. Meeting of. 13.
 Student Clubs Affiliate as AVMA Student Chapters. Two. 82.
 Students. Enrollment in Colleges of Veterinary Medicine. 1951-1952, and Preprofessional Training of First-Year. 466.
 Subcutaneous Granuloma or Skin Tuberculosis of Cattle. 370.
 Subterranean Clover. Estrogenic Effects of. 258.
 Subterranean Clover. Estrogenic Effects on the Ewe when Grazing on. 194.
 Sulkowitch Test as a Diagnostic Aid in Bovine Hypocalcemia. A Clinical and Laboratory Evaluation of the. 380.
 Sundarbans Islands. Infectious Diseases of Bali and the Lesser. 460.
 Supplements. Definitions of Feed. 222.
 Surface Tension and Antibacterial Action. 461.

Surgeon General of the Air Force. New Location for the Office of the, 326.
 Surgeons To Convene in Chicago. Military, 320.
 Surgery. Curare in Canine, 348.
 Surgical Emergencies. Pentamethonium in, 356.
 Surgical Principles and Techniques, 148.
 Sweet Glands in the Dog. Functional Activity of the, 456.
 Sweden. Congenital Goiter in Calves in, 227.
 Swine Blood Samples on the Farm. The Procurement and Handling of, 357.
 Swine. Edema Disease of, 200.
 Swine Erysipelas, 239.
 Swine. Feeding of Thyroprotein to, 218.
 Swine Herds. Gut Edema in Three Illinois, 436.
 Swine Influenza in Japan, 228.
 Swine Influenza Virus. Provocation of Masked, 315.
 Swine in Japan. Virus Disease of, 315.
 Swine. It Pays to Feed Trace Minerals to, 451.
 Swine. Kidney Worm Larvae. The Lethal Effect of Benzene Hexachloride and the Delta Isomer on, 293.
 Swine. Obstetrics in, 48.
 Swine. Rhinitis, 146.
 Swine. Salmonella Carriers Among Healthy, 229.
 Swine Teeth. Effect of Fluorine on, 314.
 Swine. The Red Stomach Worm in, 461.
 Swine. Transmissible Gastroenteritis in, 137.
 Swine. Vitamin B Complex Deficiency in, 458.

T

Tax Plan. Practitioners Will Benefit from Anticipated Now, 464.
 Teat Lesions and Mastitis, 316.
 Teenagers' Program, 11.
 Television at the Milwaukee Meeting, 341.
 Terramycin for Infectious Sinusitis of Turkeys. Chlamydia and, 394.
 Terramycin in Canine Practice. Clinical Use of, 299.
 Terramycin in Selected Small Animal Cases, 302.
 Test for Dirofilariae Immunity, 313.
 Test in Animals. The Histoplasmosis Skin, 69.
 Tests for Brucellosis. The Two, 147.
 Test vs. Blood Test. Ring, 124.
 Tetanus. Management of, 61.
 Tetanus with Penicillin-Precaine. The Prophylaxis of, 455.
 Texas State Association. Scholarship Awarded by, 83.
 Thymus Gland. Persistent or Overactive, 61.
 Thyroprotein to Dairy Cows. Feeding, 141.
 Thyroprotein to Swine. Feeding of, 218.
 Tick Paralysis in Cattle in Montana, 144.
 Ticks. Control of Sheep, 288.
 Toxaphene for Controlling Boophilus Microplus, 228.
 Toxic of Sheep. High Incidence of Pregnancy, 358.
 Toxic Chemicals in Agriculture, 78.
 Toxic Factor in Citrus Seed Meal, 389.
 Trace Elements in the Feeds. Organs, and Tissues of Repeat Breeding Cows, 388.
 Trace Elements in the Nutrition of Cattle, 450.
 Trace Element Supplements for Asparagine Brands, 392.
 Trace Minerals to Swine. It Pays to Feed, 451.
 Transmissible Disease—is It Manslaughter? Careless Spread of, 203.
 Tuberculosis in India. Bovine, 395.
 Tuberculosis of Animals, 102.
 Tuberculosis of Cattle. Subcutaneous Granuloma or Skin, 370.
 Tuberculosis-Testing Program. Revised, 454.
 Tularemia from Water Supply, ad page 34 (Aug.).
 Tumors in a Bovine Uterus. Multiple, 147.
 Turkey Rations May Be 50 Per Cent Corn, 217.
 Turkeys. A New Coccidium Pathogenic for, 314.
 Turkeys. Chlamydia and Terramycin for Infectious Sinusitis of, 394.
 Turkeys. Enteritis (Blackhead) in, 441.
 Turkeys. Fowl Typhoid in, 146.
 Turkey Spermatozoa. Morphology of, 393.
 Turkeys. Virus of Infectious Sinusitis of, 395.
 Typhoid. Fowl, 428.
 Typhoid in Turkeys. Fowl, 146.

U

Udder. Paracoccidioides in the Bovine, 455.
 Udders. Caked, 213.
 Ulcer in a Large Bear. Gastric, 129.
 U.S. Government, 84, 233, 324, 404, 465.
 Urinary in Young Pigs. Experimental, 393.
 Ureteral Graft. Reconstruction of the Common Bile Duct with a Free, 354.
 Urine Factor in Infectious Hepatitis in Dogs. Virus in, 383.

V

Uterus and Vaginal Prolapse Preventer. The Payton, 434.
 Uterus. Involution of the Bovine, 227.
 Uterus. Multiple Tumors in a Bovine, 147.

Vaccination Against Newcastle Disease, 480.
 Vaccinations. Evaluation of Distemper, 289.
 Vaccination Trials Against Newcastle Disease, 147.
 Vaccine Against Newcastle Disease. Another, 147.
 Vaccine. Antigenicity of Avian Pneumonencephalitis, 63.
 Vaccine. Egg-Adapted Modified Canine Distemper Virus, 225.

Vaccines for Brucellosis. Ether-Killed, 393.
 Vaccine for Wisconsin. Brucella M, 68.
 Correction of Report on, 187.
 Vaccines. Modified Live Virus Type. License Status of Hog Cholera, 189.
 Vaccines to Suppress Active Rinderpest. Lupinized Virus (Africa), 475.
 Vaginal Prolapse Preventer. The Payton Uterus and, 434.
 Vaginitis and Epididymitis. Contagious, 435.
 "Valiant Years," ad page 34 (August).
 Variant Hog Cholera Virus (Virus W)—Preliminary Report. A New Strain of, 322.
 Venous Pressure in Cattle. Measurement of Arterial and, 146.
 Ventilation. Barn, 370.
 Veterinary Military Service, 100, 180, 228, 410, 477.
 Veterinary Service in the United States' Air Force. Future of, 41.
 Vibrio fetus. The Egg as a Culture Medium for, 480.
 "Virofrix." Newcastle Disease and, 228.
 Virus. Cats and Newcastle Disease, 213.
 Virus Disease of Swine in Japan, 315.
 Virus Diseases. Coccidia and Hookworms as Predisposing Factors in, 124.
 Virus. Foot-and-Mouth Disease, 456.
 Viruses. A New Member of the Poxvirus-Lymphogranuloma, 382.
 Virus from the Great Horned Owl. Isolation of Newcastle Disease, 71.
 Virus in Urine Factor in Infectious Hepatitis in Dogs, 383.
 Virus Isolated from Dog with Nervous Distemper. Neurotropic, 296.
 Virus of Infectious Sinusitis of Turkeys, 395.
 Virus. Provocation of Masked Swine Influenza, 315.
 Virus Vaccine. Egg-Adapted Modified Canine Distemper, 225.
 Virus (Virus W)—Preliminary Report. A New Strain of Hog Cholera, 382.

Vital Statistics in Veterinary Medicine, 287.
 Vitamin A Depletion in Dairy Calves, 389.
 Vitamin Assay. Methods of, 73.
 Vitamin A Studies with Beef Cattle, 218.
 Vitamin B Complex Deficiency in Swine, 458.
 Vitamin B₁₂ and Liver Meal on Hematology of Chicks. Effect of, 225.
 Vitamin B₁₂ for Hogs. Antibiotics and, 452.
 Vitamin E. "Steatitis" or "Yellow Fat" in Mink, and its Relation to Dietary Fats and Inadequacy of, 72.

W

Warts in Dogs. Buccal, 61.
 War Wounds of the Chest. Treatment of, 435.
 Whipworms Occur in Domestic Cats in North America? Do, 210.
 Wisconsin. Brucella M Vaccine for, 68.
 Correction of Report on, 187.
 Withers. Brucella in Fistula of the, 184.
 Women's Auxiliary, 86, 156, 231, 321, 472, 482.
 Women's Auxiliary Introduces "The Bulletin." International, 320.
 Women's Auxiliary to the AVMA. Officers for 1951-1952, 321.
 Worm in Swine. The Red Stomach, 461.
 Worm Larvae. The Lethal Effect of Benzene Hexachloride and the Delta Isomer on Swine Kidney, 293.
 Wound Healing. Cortisone in, 435.
 Wounds of the Chest. Treatment of War, 435.

X, Y, Z

(X-Disease) in Cattle. Hyperkeratosis, 449.
 "Yellow Fat" in Mink and its Relation to Dietary Fats and Inadequacy of Vitamin E. "Steatitis" or, 72.
 Zoobiosis, 202.
 Zoo Veterinarians To Meet at Milwaukee, 18.